Table 3. Simulation results: single story new single-story home with heat pump. R-19 ceiling insulation, 0.3 change in roof solar-reflectance (SRI change of 40): annual cooling energy savings, annual heating savings and annual net energy bill savings in 11 cities. A 0.3 change in solar reflectance is presently not achievable in composite shingle homes. Basecase electricity use includes air-handler energy (Konopacki, et.al, 1997).

City	Annual Electricity		Annual Net Bill		Peak	
	Savings*		Energy		Savings	
			Savings**			
	kWh/1000 ft ²	%	\$/1000 ft ²	%	W/1000 ft ²	%
Atlanta, GA	89	3	6	2	91	6
Chicago, IL	-12	0	-2	0	52	4
Los Angeles, CA	126	7	10	8	130	9
Fort Worth, TX	133	3	8	3	97	5
Houston, TX	151	5	12	5	110	6
Miami, FL	205	5	17	6	84	5
New Orleans, LA	171	6	12	6	84	6
New York, NY	57	0	1	0	84	6
Philadelphia, PA	42	-1	-10	-1	91	10
Phoenix, AZ	256	6	27	6	97	4
Washington, DC	101	1	3	1	84	5

Source: Konopacki, et. al, 1997. Simulation tool: DOE 2.1E
*Negative savings mean that energy use increases.
**Does not include equipment downsizing or utility capacity savings.